SONY

3-751-867-23 (1)

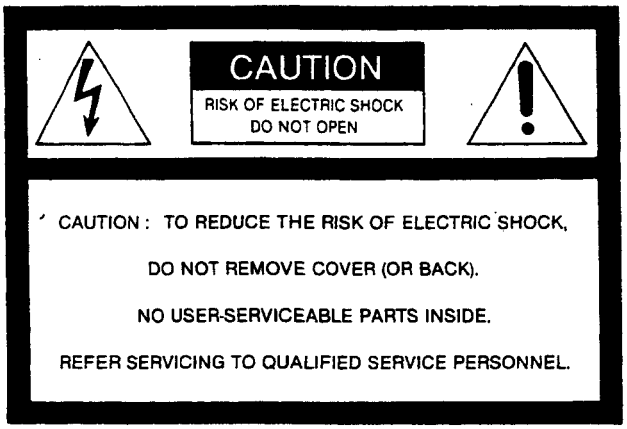
Compact Disc Player

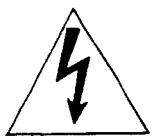
Operating Instructions

CDP-C75ES
CDP-C85ES

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Owner's Record

The model and serial numbers are located at the rear. Record these numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. ———— Serial No. ————

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

Reorient the receiving antenna
Relocate the equipment with respect to the receiver
Move the equipment away from the receiver
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

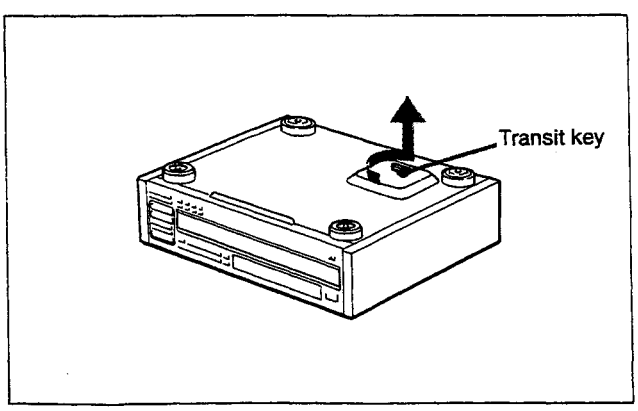
If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful :

"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

CAUTION
The use of optical instruments with this product will increase eye hazard

Note on the Transit Key



The white transit key on the bottom exterior of the unit protects the optical system against shock during transportation. Before operating the CD player, be sure to remove the key by following the instructions on the label, and store it in a safe place.

When transporting the unit, replace the key in its original hole and lock it in place.

For the customers in Canada

This apparatus complies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

CAUTION:
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

Introducing This CD Player

The CDP-C75ES/C85ES is a compact disc player with a 5-disc tray which allows you to choose from a large number and a wide variety of selections.

- You can play any disc at any time using the DISC 1 to 5 buttons on the unit or on the remote commander.

- High Density Linear D/A Converter produces natural sound even when reproducing low level signals.

- Custom File function allows you to customize your disc.
  Disc Memo—You can assign a name to a disc, such as the title of the disc or the date of purchase, etc.
  Program Bank—You can store a programed playing order for a disc.
  Level File—You can preset the desired level of each disc for the headphones/variable line output jacks.

- Various features for tape recording makes recording compact discs easy and convenient.
  Peak Search—The loudest portion of the disc is determined and played repeatedly.
  Music Scan—You can check the selections by scanning the beginning of each selection.
  Time Fade—You can fade out and stop the play at the desired time.

Differences by Model

This instruction manual covers the CDP-C75ES and the CDP-C85ES. Their performance and operation is identical except for the following:

- TRACK buttons are available on the main unit of the CDP-C85ES. (You can activate TRACK buttons from the remote commander with both models.)
- CONTROL S IN terminal for the system connection is only available with the CDP-C85ES.
- Side panels are equipped only on the CDP-C85ES.

Adjusting Operating Voltage

For the customers of the model equipped with the voltage selector

Check that the voltage selector is set to the local power line voltage. If not, set the selector to the correct position before connecting the AC power cord to a wall outlet.

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Installing the CD Player

Notes on Installation

- Place the unit in a location with adequate air circulation to prevent internal heat build up in the unit.
- Do not place the unit on a soft surface, such as a rug that would block the ventilation holes on the bottom.
- Do not install the unit.
  - near heat sources such as radiators or air ducts.
  - in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Use on level surface. Make sure that the unit is placed in a proper location before switching the power on.
- Do not transport the unit with the discs inserted.
- If you remove the side panels of CDP-C85ES to install the unit in a rack, be sure to secure the metal casing with the supplied screws (M3 × 8 mm in length). DO NOT use the longer screws that held the side panels in place.

On moisture condensation
If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the unit. Should this occur, the player will not operate. In this case, remove the disc and leave the player turned on for about an hour until the moisture evaporates.

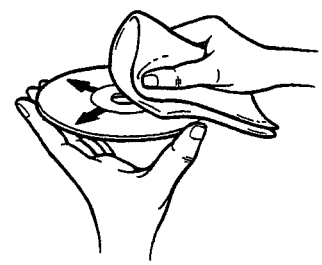
Maintenance

Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad scouring powder or solvent such as alcohol or benzine.

Cleaning discs

Before playing, clean the disc with the cleaning cloth. Wipe the disc from the center out.



Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog discs.

After playing, store the disc in its case.

Precautions

On Safety
- Operate the unit only on 120 V AC, 60 Hz.
- Should any liquid or solid object fall into the cabinet. Unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it will not be used for a long time. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

On operation
When the unit is not used, turn the power off to conserve energy and to extend the useful life of your unit.

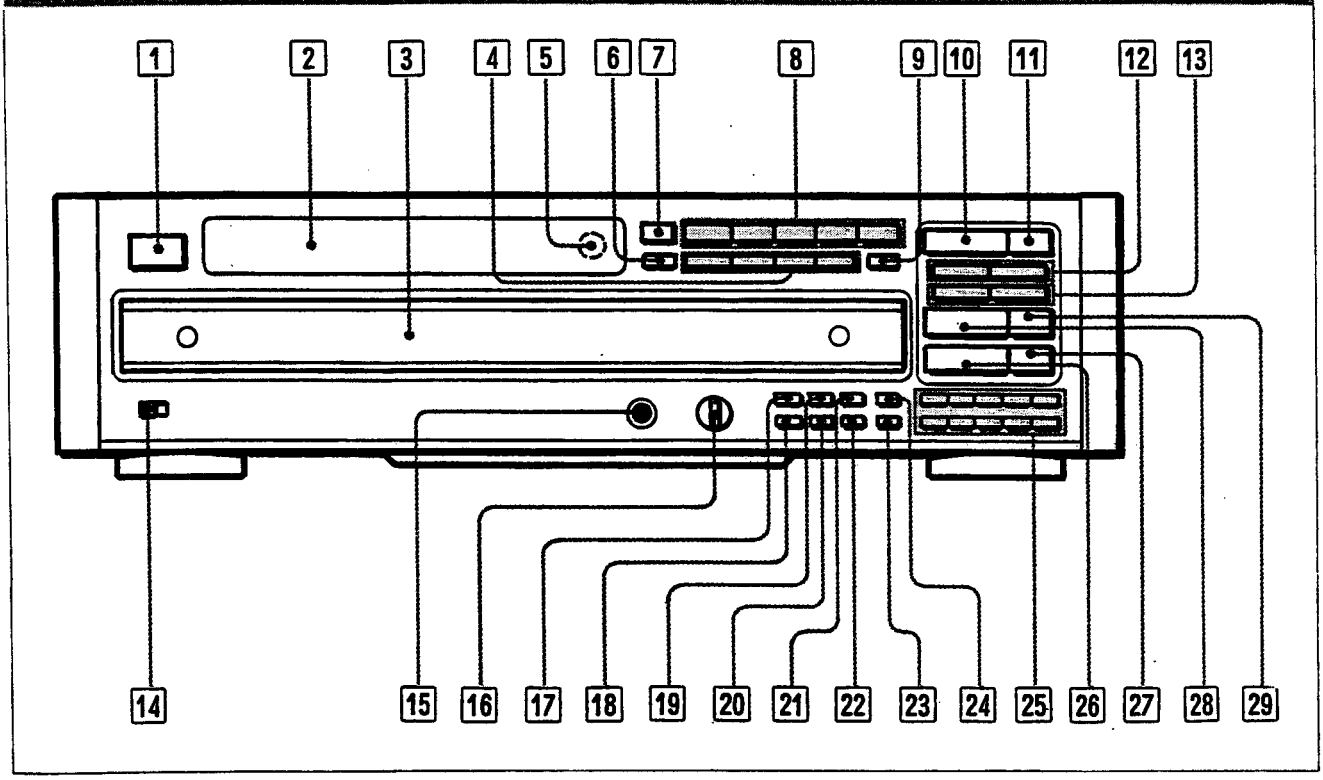
Important
Since the CD system boasts a wide dynamic range, the peaks of high level inputs are recorded with high fidelity, and the noise level is very low.
Do not turn up the volume while listening to a portion with no audio signals or very low level inputs if you do, the speakers may be damaged when a peak level portion is played.

For detailed safety precautions, see the leaflet "IMPORTANT SAFEGUARDS".

If you have any questions or problems concerning your unit, please contact you nearest Sony dealer.

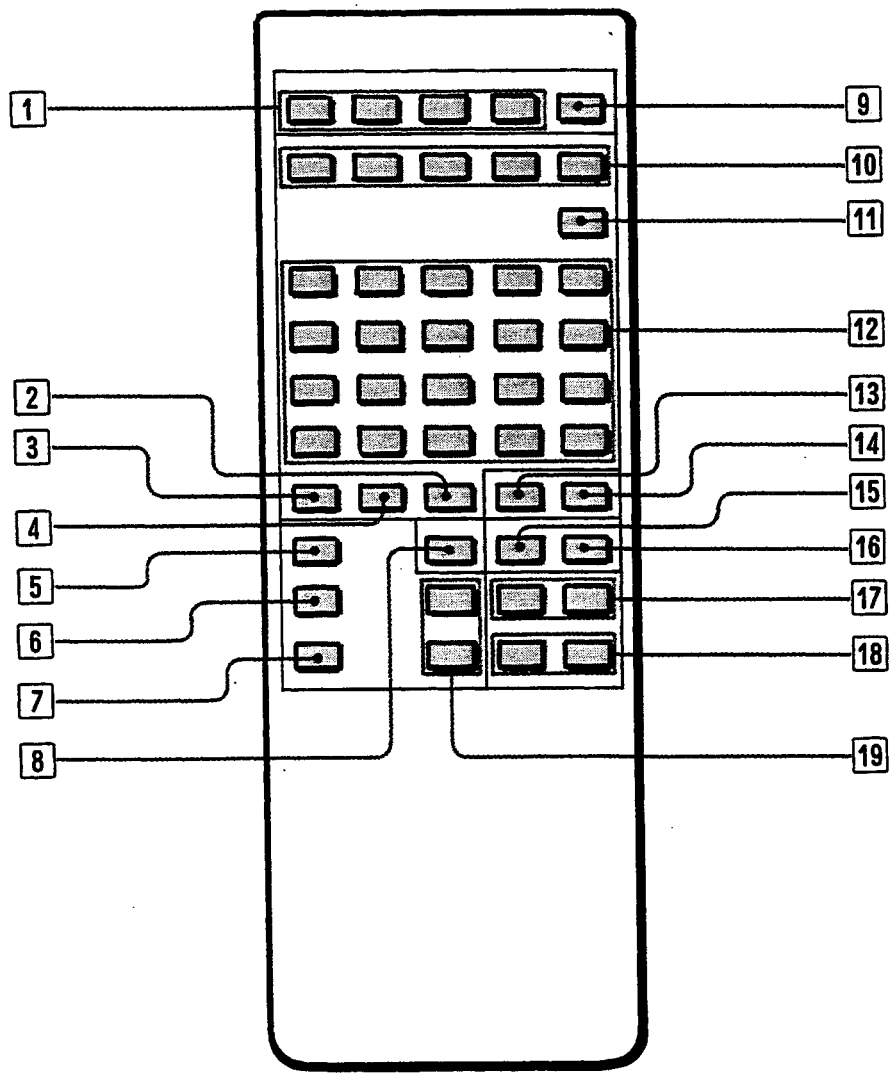
Location of Controls

Front Panel



1 POWER switch
2 Display window
3 Disc tray
4 PLAY MODE buttons
CONTINUE button
SHUFFLE button
PROGRAM button
BANK button
5 Remote sensor
6 TIME/MEMO button
7 MUSIC SCAN button
8 DISC 1 – 5 buttons
9 REPEAT button
10 ⏏ OPEN/CLOSE button
11 DISC SKIP button
12 ◀◀ ▶▶ (manual search) buttons
13 ⏮ ⏭ (AMS*) buttons
14 TIMER switch
15 HEADPHONES jack
16 PHONE LEVEL/LINE OUT LEVEL control
17 LEVEL FILE button
18 FILE button
19 CHECK button
20 ERASE button
21 CLEAR button
22 PEAK SEARCH button
23 TIME FADE button
24 >10 button (CDP-C85ES only)
25 Track buttons (CDP-C85ES only)
26 ■ (stop) button
27 FADER button
28 ▶ (play) button
29 ❚❚ (pause) button

Remote Commander



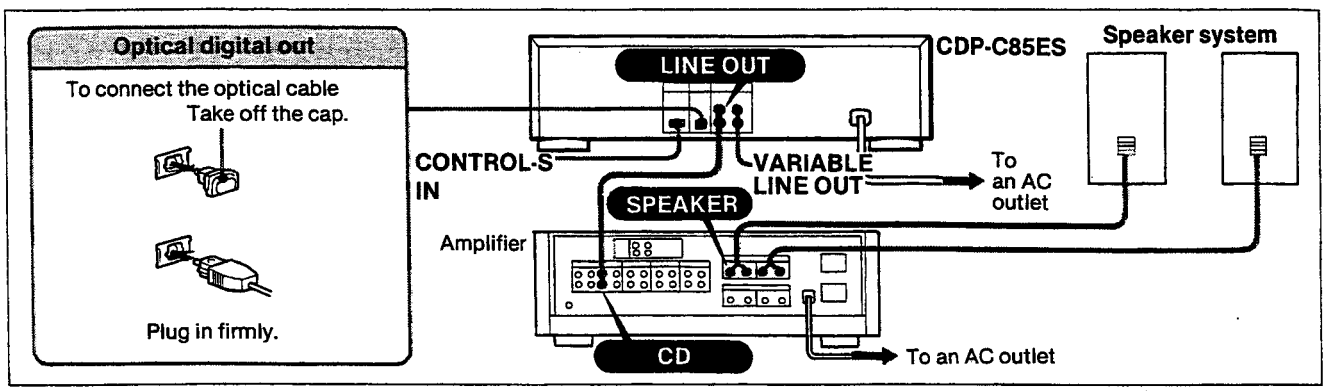
1 PLAY MODE buttons
CONTINUE button
SHUFFLE button
PGM (program) button
BANK button
2 CLEAR button
3 >20 button
4 CHECK button
5 ▶ (play) button
6 ❚❚ (pause) button
7 ■ (stop) button
8 FADER button
9 MUSIC SCAN button
10 DISC 1 – 5 buttons
11 DISC SKIP button
12 TRACK buttons
13 FILE button
14 LEVEL FILE button
15 TIME button
16 REPEAT button
17 ⏮ ⏭ (AMS*) buttons
18 ◀◀ ▶▶ (manual search) buttons
19 LINE OUT VOLUME buttons

*AMS is the abbreviation of Automatic Music Sensor.

Connecting the CD Player

Notes on Connection

- Turn off the power of each unit before making connections.
- Connect the AC power cord last.
- Be sure to insert the plugs firmly into the jacks. Loose connection may cause hum and noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock and vibration.
- Cord plugs and jacks are color coded: Red plugs and jacks are for the right channel (R) and white ones for the left channel (L).



Note on VARIABLE LINE OUT
When you connect the amplifier to VARIABLE LINE OUT jacks, you can control the volume with PHONE LEVEL/LINE OUT LEVEL control or LINE OUT VOLUME buttons on the remote commander.
When you use the level file function (see page 20), always connect the amplifier to VARIABLE LINE OUT jacks.

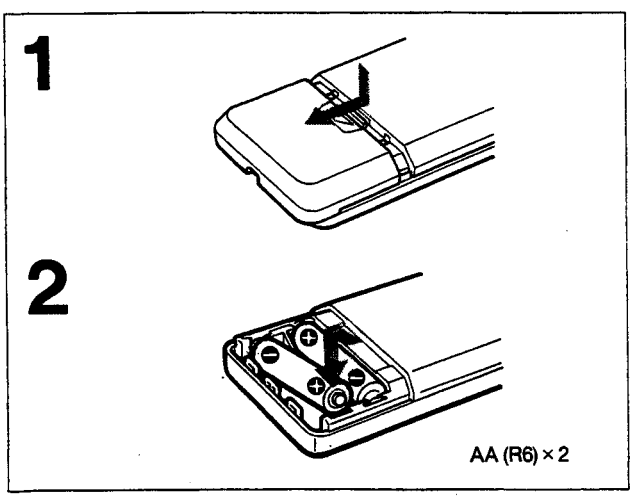
Note
If PHONE LEVEL/LINE OUT LEVEL control or LINE OUT VOLUME buttons are operated while recording, the recording level will change even though it is preset on the tape deck.

Note on optical digital out
Connect the optical out to the amplifier with the optical input or D/A converter. When you connect, use the connecting cable for optical out POC-15 (optional). When the optical out is connected, you cannot use fade out, fade in, time fade function and the level file function.

Note on the CONTROL-S input (CDP-C85ES only)
To remote control this unit through a receiver or amplifier, connect the input on this unit to the CONTROL-S output on a Sony receiver or amplifier, with a CONTROL-S cable.
When this connection is used, only remote commands sent through the receiver or amplifier will be executed. The remote sensor on this unit will not function.

Preparing the Remote Commander

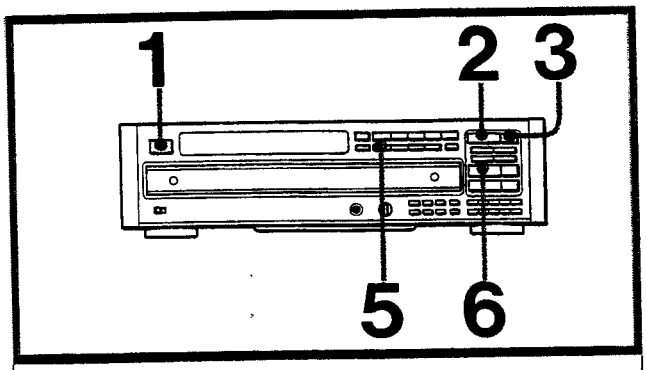
Installing Batteries



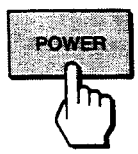
On battery life
- About half a year of normal operation can be expected when using the Sony SUM-3(NS) batteries.
- When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

Notes on the remote commander and remote control operation
- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- Avoid exposing the remote sensor to direct sunlight or lighting apparatus. Such exposure can cause a malfunction.
- To avoid damage caused by battery leakage and corrosion, remove the batteries when the commander will not be used for a long time.

Playing a Disc—Continuous Play

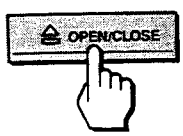


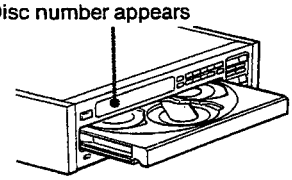
1



2

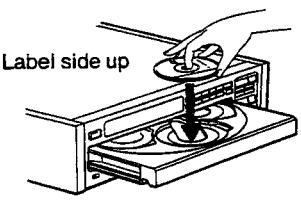
Disc number appears





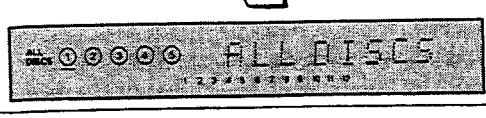
3

Label side up

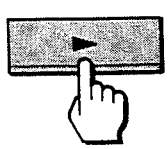


4 To play more than one disc, repeat step 3 to put additional discs in the desired order.

5 Choose a play mode: "1 DISC" to play one desired disc or "ALL DISCS" to play all discs up to disc 5.



6



When all selections of a disc are played, the circle on the tray number goes off.

Before playing a disc, turn on the amplifier and set the input selector to the CD player position.

To stop play

To stop for a moment during play, press ❚❚.
Press ▶ or ❚❚ to resume play.
To stop play, press ■.
To stop play and open the tray, press ⏏.

Caution on adjusting volume

Do not turn up the volume while listening to a portion with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level portion is played.

To make the CD player stand by at the beginning of the first selection

Press ❚❚ during the stop mode. The unit enters the pause mode at the beginning of the first selection. Press ▶ or ❚❚ to start play. You cannot use this function in the program and bank modes.

When you listen with the headphones

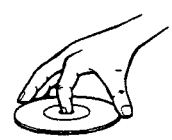
Connect the headphones and control the volume with PHONE LEVEL/LINE OUT LEVEL control.

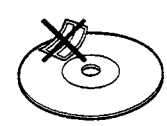
Notes

- Disc memo (see page 18) appears in the display window during the stop mode. If the disc memo is not stored, the disc number—such as "*DISC-1*", is displayed.
- The tray number of an empty tray will be displayed until the empty tray number is set to play. Once they are recognized empty, they will disappear.
- "—NO DISC—" is displayed when all trays are empty. When "—NO DISC—" is displayed, you can check the disc memo of all discs on the display window. Each time you press TIME/MEMO, the stored disc memos are displayed sequentially. "—END—" appears after the last disc memo, and pressing TIME/MEMO recalls "—NO DISC—" display. You can put another title for "—NO DISC—" display. See page 18 for procedure.
- **Place an empty tray in the front loading position, and put the disc in it**
  If you insert the disc into a tray other than the one in the front, the unit may not be able to find the disc. Be sure to use DISC SKIP to rotate to the next empty tray.

Notes on handing discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.

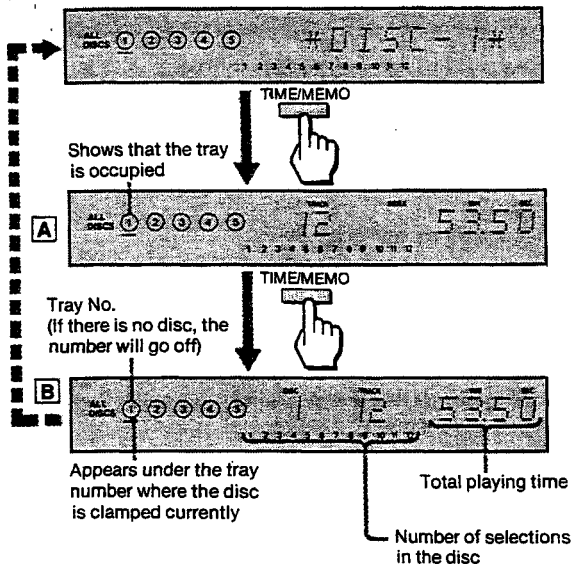




- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as there can be a considerable rise in the temperature.
- After playing, store the disc in its case.

To play an (3-inch) 8 cm CD

Place it on the inner circle of the tray. If the disc is provided with an adaptor, first remove it. Do not put a normal CD (12cm/5-inch) on top of an 8 cm CD.


TIME/MEMO
Shows that the tray is occupied
A
TIME/MEMO
Tray No.
(If there is no disc, the number will go off)
B
Appears under the tray number where the disc is clamped currently
Total playing time
Number of selections in the disc

Time display automatically returns to the disc memo display (procedure step display in the program and the bank modes), after few seconds.

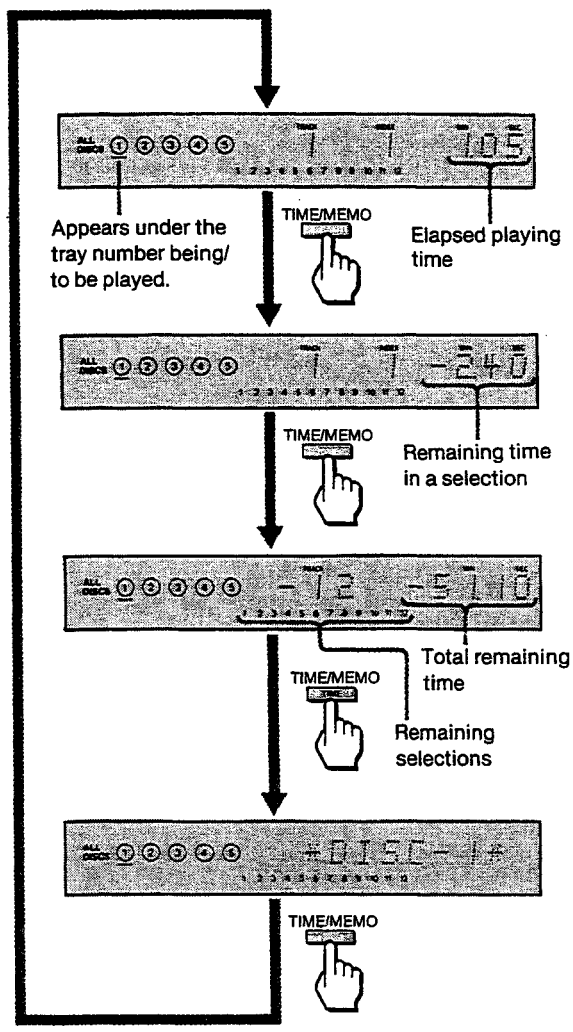
Information Display

When you press ⏏ OPEN/CLOSE or the disc tray itself to close the tray, the total number of selections and the total playing time of the disc will be displayed after the disc memo or disc number is displayed.

If you press TIME/MEMO during stop, you can choose either combination for the display data.

A Track No. — Index No. — Minute — Second

B Disc No. — Track No. — Minute — Second



If you press TIME/MEMO during play, the display changes to give you the following information:

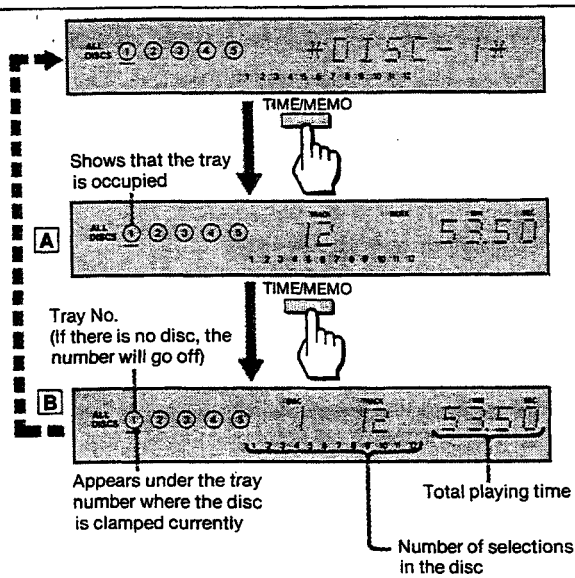
Elapsed playing time of the selection in the manner you choose during the stop mode. It automatically displayed when play begins.

Remaining time in a selection. Selection numbers up to 20 are also displayed at the bottom of the display window. If the track number is larger than 20, "- -.- -" appears insted of the remaining time display.

Remaining time and remaining selections of the disc (displayed only in the continue mode).
When the time fade function is activated, remaining time and remaining selections until the fading out will be displayed.

Disc memo or disc number.

Note
If you chose the information display with disc number (type B), disc number is displayed instead of index number.


TIME/MEMO
Shows that the tray is occupied
A
TIME/MEMO
Tray No. (If there is no disc, the number will go off)
B
Appears under the tray number where the disc is clamped currently
Total playing time
Number of selections in the disc

Time display automatically returns to the disc memo display (procedure step display in the program and the bank modes), after few seconds.

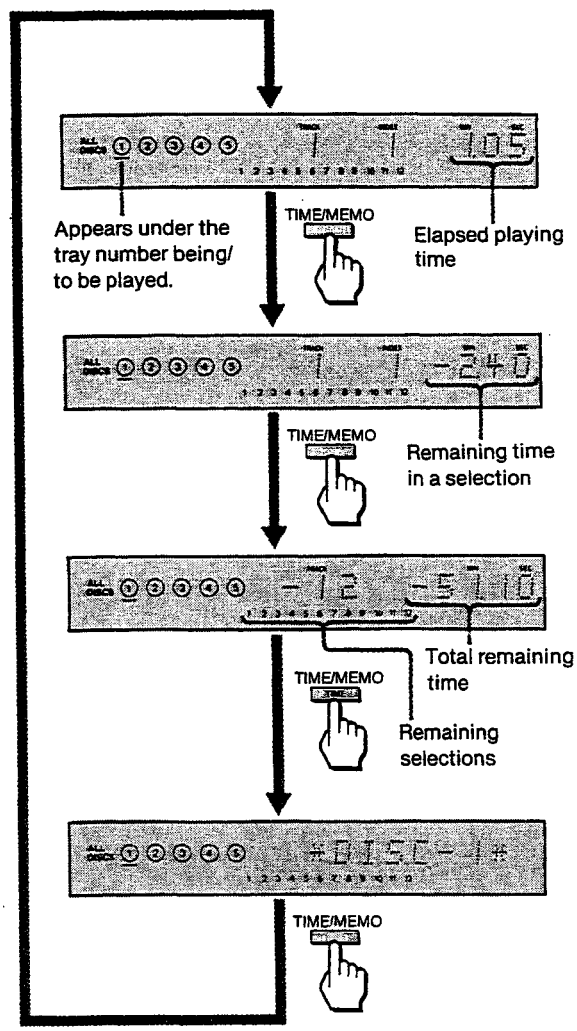
Information Display

When you press ⏏ OPEN/CLOSE or the disc tray itself to close the tray, the total number of selections and the total playing time of the disc will be displayed after the disc memo or disc number is displayed.

If you press TIME/MEMO during stop, you can choose either combination for the display data.

A Track No. — Index No. — Minute — Second

B Disc No. — Track No. — Minute — Second



If you press TIME/MEMO during play, the display changes to give you the following information:

Elapsed playing time of the selection in the manner you choose during the stop mode. It automatically displayed when play begins.

Remaining time in a selection. Selection numbers up to 20 are also displayed at the bottom of the display window. If the track number is larger than 20, "- -.- -" appears insted of the remaining time display.

Remaining time and remaining selections of the disc (displayed only in the continue mode).
When the time fade function is activated, remaining time and remaining selections until the fading out will be displayed.

Disc memo or disc number.

Note
If you chose the information display with disc number (type B), disc number is displayed instead of index number.

Selecting a Desired Disc

By using the DISC selectors or the DISC SKIP button during play, you can locate the beginning of any disc.

To select a particular disc	Press the corresponding DISC 1 to 5 button.
To move to the disc tray next to the current one	Press DISC SKIP.

Locating a Particular Selection

Locating a selection in sequence (Automatic Music Sensor)
You can locate the beginning of a selection on the disc being played.

To locate the beginning of the selection being played	Press ⏮ once.
To locate the beginning of the next selection	Press ⏭ once.

Continue to press until the selection you wanted has been located.

To locate directly
Press one of the TRACK buttons ([1] to [20]) to enter the desired selection number.
If a selection number is greater than 20, use the [>20] and [1] to [10] buttons. [10] functions as the figure 0.
e.g. To play from selection No. 22: Press [>20] [2] [2]
To play from selection No. 30: Press [>20] [3] [10]
(Function operatable only from the remote commander for CDP-C75ES.)
Press >10 instead of >20 when using the buttons on the front panel of CDP-C85ES.

Locating a Particular Point in a Selection

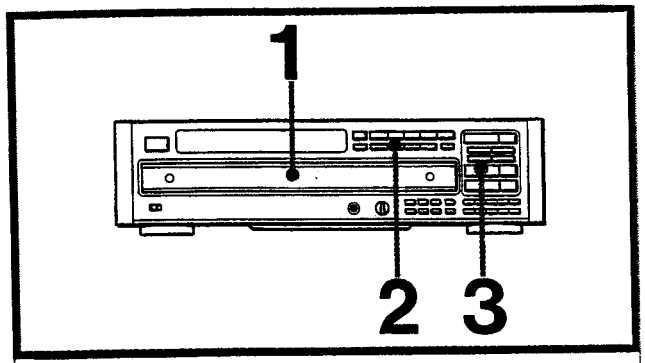
You can locate a particular point in the disc during play.

To search quickly while monitoring the sound
To go ahead at high speed
Keep ⏩ pressed during play and release at the desired point.
To go back at high speed
Keep ⏪ pressed during play and release at the desired point.

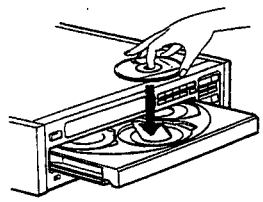
To search quickly by observing the display
Press ⏸ then keep ⏩ or ⏪ pressed. The search speed will increase, but there will be no sound. Find the desired point by observing the display.
Press ⏸ again at the desired point.

If you continue to press ⏩ or ⏪.
If you continue to press ⏩ once the end of the disc has been reached, "–OVER–" appears in the display window.
Press ⏪ or ⏮ to return to the normal display.

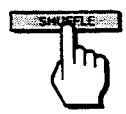
Playing in a Random Order – Shuffle Play



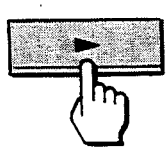
1



2 Decide whether to shuffle between "ALL DISCS" or "1 DISC", depending on the number of discs inserted.
("SHUFFLE" appears)



3



When all selections of a disc are played, the circle on the tray number goes off.

You can have the selections played in a random order (up to 99). The unit will play all the discs or just disc (s) you desire.
Once a selection is played, it will not be played again until the random order is completed.

To stop play
Press ■.

To cancel shuffle play
Press CONTINUE and return to the continuous playing mode.

To select a desired disc during "1 DISC" shuffle play
Press the desired DISC 1-5 buttons. A circle will appear around the selected disc.

To Play Only the Desired Discs in a Random Order—Select Shuffle Play

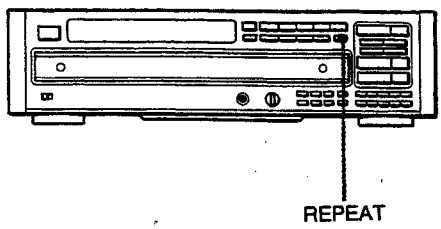
You can select the desired discs during the stop and play modes.

To select the desired discs
Press the DISC 1–5 buttons. Circles appear around the selected disc numbers to be played. Pressing the buttons again makes the circles disappear and the discs will not be played. You cannot put off a circle around the number of the disc being played.

If you press SHUFFLE during play
Shuffle play begins from the current selection.

What is this indication?
This indication appears while the player is shuffling the selections.

Playing Repeatedly – Repeat Play



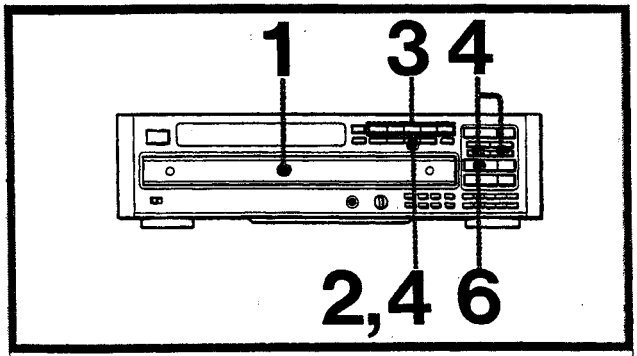
Press REPEAT before or during play.
"REPEAT" appears.

Repeating Selections

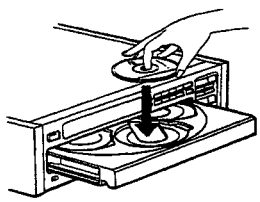
The unit repeats on the current playing mode.
(Repeats all selections of all discs for ALL DISCS play and ALL DISCS shuffle play.
Repeats all selections on the disc for 1 DISC play and 1 DISC shuffle play.
Repeats all selected discs for ALL DISCS select shuffle play.
Repeats selections in the programed order for PGM play and PGM BANK play.)

To cancel repeat play
Press REPEAT again. "REPEAT" disappears and "REPEAT OFF" appears in the display window.

Playing in a Desired Order – Program Play



1



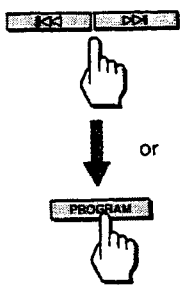
2 "PGM" appears.

To program while observing the disc labels, program the selections with the disc tray open.

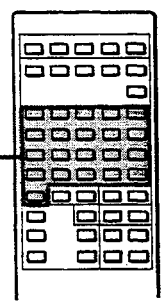
3

Choose the desired disc.

4

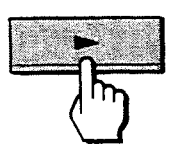


Track buttons of the remote commander or main unit of C85ES.



5 To program additional selections on a same disc, repeat steps 4.
To program additional selection on another disc, repeat steps 3 and 4.

6



You can make a program by designating up to 32 selections in the order you want them to be played. The unit will play the disc according to your program.

To program a whole disc under a single program number
Simply skip step 4. The TRACK indicator will show "ALL", which means that all the disc have been programmed under a single program number.

To pause during program play
Press ❚❚ at step 3 or 4. The pause is programmed as a single step. When the pause is selected during program play, the CD player automatically enters pause mode. To continue program play, press ▶ or ❚❚.

Adding selections to a program during program play
1 Press the desired disc button while the unit is in the play or pause mode.
2 While the step display appears, press the TRACK buttons which correspond to the selection number you want to add (TRACK buttons are only available on the remote commander for CDP-C75ES).

To return to continuous play mode
Press CONTINUE.

To stop program play
Press ■.
To resume play, press ▶. Play begins from the beginning of the program.

Skipping to the next selection programmed
Press ▶▶| during play.

Going back to the beginning of the selection being played
Press |◀◀ during play.

Display on step 3 (procedure step display):

Programming while checking the total playing time of the programmed selections

When a selection (or an entire disc) is added to the program (after step 4), press TIME/MEMO. While the total playing time is checked, the time display blinks. The total playing time of the selections currently included in the program will then be displayed. The total time will disappear after approx. 4 seconds. You can then continue programming even while the total time is still displayed.

Note

If you press PROGRAM during ALL DISC play, 1 DISC play or shuffle play, the selection currently being played will be programmed as the first selection of the program.

Spacing between selections in a program

When consecutive selections from one disc are programmed in sequence, the original interval between selections will be retained. When the program must change from one disc to another, there will be a pause of a few seconds.

Checking the Programmed Selections

Press CHECK

The disc, track, and program numbers of the first selection in your program will be displayed.
Each time you press CHECK, a selection will be displayed for a few seconds, in the order they have been programmed.

What is this indication?

This indication will appear after the last selection is displayed.
It returns to the display of the last selection automatically after few seconds.

Clearing the Programmed Selections

Clearing the whole program

Press ■ once during stop, or twice during play.
All the selections will be cleared.

Clearing the last selection in a program

Press CLEAR during stop.
The last selection will be cleared each time CLEAR is pressed.

Clearing a specific selection

1 Press CHECK repeatedly until the selection to be cleared is displayed.
2 Press CLEAR while the selection number is displayed. The selection will be cleared from the program.

The whole program will also be cleared in the following situations

- ⏏ is pressed.
- Power is turned off.
- Select other play modes.

Convenient Features for Tape Recording

Locating the Loudest Portion of the Disc— Peak Search

The CD player can search a disc from the beginning to the end and determine the loudest portion (peak level) of the disc, and then play that portion repeatedly. This function will make it easier for you to adjust to the optimum level when recording on tape.
This function operates in all play modes as follows:

Play mode	Operation
Continuous and shuffle modes	Searches all selections of the disc which is clamped currently
Program mode	Searches all programmed selections
Bank mode	Searches all selections stored in the program bank

To activate the peak search
Press PEAK SEARCH during the stop mode.
"PEAK" flashes in the display and the all selection of the disc or program will be searched automatically. After finishing the search, the loudest portion is played repeatedly for 4 seconds.

To start play immediately
Press ▶. The play starts from the beginning of the disc.

To stop the peak search
Press ■.

Note on the peak search function
The unit determines the loudest portion (peak level) of a disc by searching it at fixed intervals. As a result, the portion searched may differ from the actual peak level. In addition, this function may determine different portions as the peak level for the same disc. However, the difference between the portion searched and the actual peak level is insignificant and will not present any problem in adjusting the recording level.

Playing a Beginning of Each Selection— Music Scan

You can check the selections by scanning the beginning of each selecion in the disc. You can use this function in any play mode and the function operates in the following way:

Play mode	ALL DISCS	1 DISC
Continuous mode	The first selections of all discs	All selections of one disc
Shuffle mode	All selections of all the discs	All selections of one disc
Program mode	All the programmed selections	
Bank mode	All selections of all discs having the program bank	All selections of one disc having the program bank

To start the music scan
Press MUSIC SCAN during the stop mode.
▶ indicator flashes and beginning of each selection/disc is played for approximately 12 seconds and fades out. When scanning is finished, the unit enters the stop mode.

To start play immediately
Press ▶ before the selection begins to fade out. If you press ▶ during the fading out, the unit enters the pause mode.

To stop the music scan during scanning
Press ■.

To extend the playing time
Press MUSIC SCAN while the beginning of selection is played.
The playing time will be extended for approximately 12 seconds.

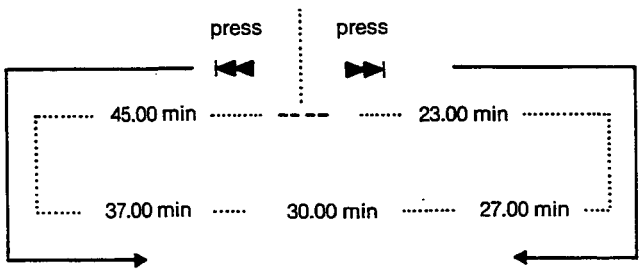
Fading In/out at the Desired Time—Time Fade

The time fade function allows you to fade out the play at the desired time, such as at the end of the tape.
You can use this function in the continuous, shuffle, program, and bank play modes.

To set the time to fade out

1 Press TIME FADE during the stop mode.
"TIME FADE" appears and "- -" flashes in the display window.

2 Set the desired time to fade out.
When you use a tape of a standard length, press ⏮ or ⏭ to select the time of the tape length. Each time you press a button, the time changes in the following way.



To set the seconds, press ◀◀ or ▶▶. The time increases or decreases by 10 seconds.

You can also set the time directly by using the TRACK buttons. In this case, you can use buttons "1" to "10". The "10" button works as "0". For example, to set 05:30 (5 minutes 30 seconds), Press 10—5—3—10. (Function operatable only from the remote commander for CDP-C75ES.)

3 Press TIME FADE.

4 Press ▶ to start the play. The unit starts to fade out the sound 5 seconds before the time set, and then enters the pause mode.

To resume play after fading out
Press ▶ or ❚❚. If you press FADER, you can fade in and resume play. The time fade function is still activated unless you cancell it.

If the play ends before the time set
The time fade function is still activated. After you start play a disc and accumulated playing time reaches the time set, fading out begins.

To cancel the time fade function
Press TIME FADE before the fading out begins. "TIME FADE" will disappear from the display window.

Fading In/out Manually

You can have the play fade in and fade out for 5 seconds.

To end the play fading out
Press FADER when you want to start fading out.
" ❚❚ " flashes and "FADE" appears in the window, and play fades out for 5 seconds and enters the pause mode.

To restart the play fading in
Press FADER. " ▶ " flashes and "FADE" appears in the window, and play fades in for 5 seconds.

On Custom Files

The CD palyer is equipped with a memory which allows you to store three types of information called "custom files". Up to 184 discs of Custom File can be retained in the unit's memory.

The three custom files you can store in memory

Disc memo	To store a name of up to 10 letters for an individual disc. (page 18)
Program bank	To store a program in memory so it can be played again. (page 19)
Level file	To preset an output level of the headphones/variable line out jacks for an individual disc. (page 20)

Memory backup for the custom files
Custom files, once memorized, are retained in the compact disc player's memory for approximately 1 month without AC power supply.
Since the memory is stored in the unit and not on the disc, you cannot perform custom file functions with the same disc on a different player.

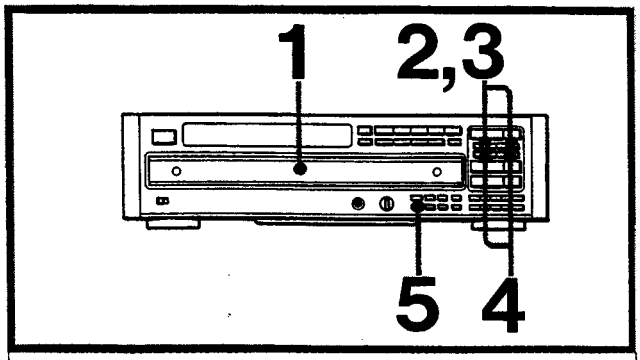
What is this indication?

FILE FULL

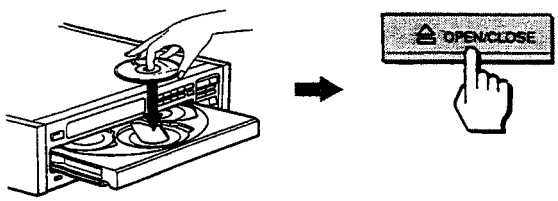
This indication appears when FILE is pressed while no custom file can be memorized for the disc currently put in the player. To make a custom file for the disc, clear the custom file of another disc.

To clear custom files of all discs at once
Press POWER to turn on the player while keeping ERASE and FILE pressed. "ALL ERASE" will be displayed and all custom files are cleared.

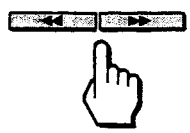
Assigning a name to the Disc — Disc Memo Function



1



2



A blinking cursor (indicating where a letter will be written) appears.

3 Press ◀◀ or ▶▶ until the desired letter appears.

Example: If ▶▶ is pressed 2 times

4 Press ▶▶| to move the cursor to the next position, and select the desired letter.

5

"MEMO FILE" appears in the window. After a few seconds, the memo you have written will be displayed.

Using the disc memo function, you can assign a name within 10 letters for each disc. The memo appears in the window every time you put the disc in the player.
One name can be assigned for one disc.
You can also assign a title for the "—NO DISC—" display (see page 8) using the same procedure as that for the disc memo.

Usable letters and symbols

For the disc memo, 46 letters and symbols and a space can be used. When the ◀◀ / ▶▶ button is pressed for the first time, the space appears. Each time ▶▶ is pressed, letters and symbols will appear in the following order.

(space) A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ' & : . < > * / + 9 8 7 6 5 4 3 2 1 0 –

Use ◀◀ to call up a previous character.

To rewrite letters or symbols

Before pressing FILE

Move the cursor under the letter/symbol to be changed and then select the desired letter/symbol using ◀◀ ▶▶ .
To erase the letter and make space, locate the desired place with |◀◀ ▶▶| and press CLEAR.

After pressing FILE

Repeat from step 2.

If you want to assign names while referring labels

1 Place the disc(s) on the disc tray and **keep the tray opened.**
2 Follow steps 2 to 4 to create a name for the disc.
3 Press DISC SKIP to select another if you want to assign two or more discs.
4 Repeat steps 2 to 4 until you assign the all desired discs.
5 Press FILE. The disc tray closes automatically and "MEMO FILE" appears in the display window. The name for each disc has been assigned at once.

Displaying the Memos

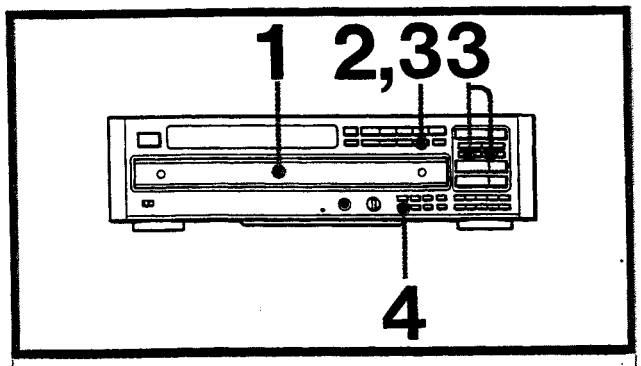
To display the memo for the disc being played

Press TIME/MEMO twice during the shuffle, program or bank mode and three times during the continuous mode.
To return to the normal display, press TIME/MEMO once more.

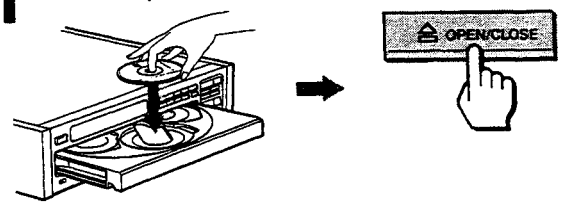
Clearing the Disc Memo

1 Put the disc whose memo you want to clear in the player, and close the disc tray.
2 Press ◀◀ or ▶▶ on the player.
The blinking cursor will appear.
3 Press ERASE.
"FILE ERASE" is displayed in the window.

Keeping the Program in Memory – Program Bank



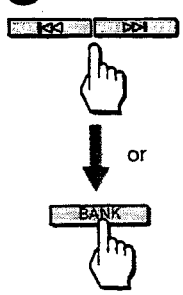
1



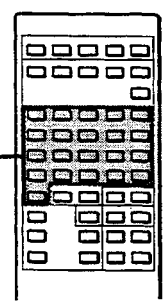
2

Press BANK and the "BANK" indicator will turn on.

3



Track buttons of the remote commander or main unit of C85ES.



4

"—FILE—" and " CF P. BANK" will appear in the display window.
("—FILE—" will disappear approximately one second later.)

After programming selections, you can keep the program memorized, so that the disc is played always in the fixed order. The memorized program is called "program bank."

Memorizing a Program

The program is stored into the memory (24 programs can be memorized). Only one program bank can be made for a disc.

Notes

- You cannot program a whole disc under a single program number.
- To pause during the bank play, press ❚❚ instead of step 3.
- You cannot add selections to a program bank during play. If you want to add or change selections in the program bank, repeat steps 3 and 4.
- If you press a DISC button during the stop mode, the program bank stored for the disc is displayed.

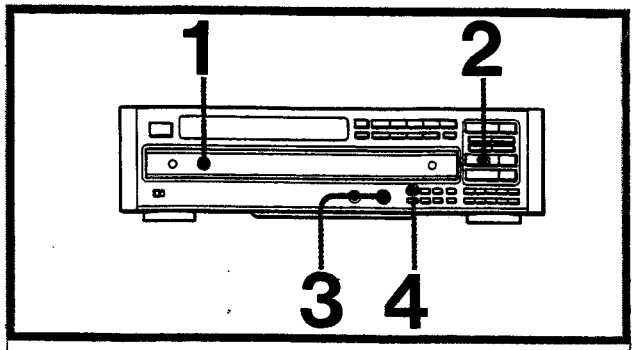
Playing the Disc Using the Program Bank

1 Press BANK to choose whether to play "1 DISC" or "ALL DISCS".
2 Press ⏏ to insert the disc having the program bank. " CF P. BANK" appears in the display.
3 If you choose the "1 DISC" mode, press the DISC selector which corresponds to the disc you want.
4 Press ▶ to start play. Disc(s) without program bank will be skipped during play.

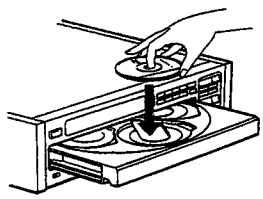
Clearing the Program Bank

1 Press Bank.
2 Put the disc whose program bank is to be cleared in the player. Then close the disc tray by pressing ⏏.
3 During the stop mode, press DISC button which corresponds to the disc you want to clear the program.
4 Press ERASE.
"FILE ERASE" is displayed and " CF P. BANK" goes off from the display window. The program bank is cleared.

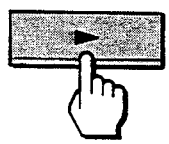
Preset the desired Output Level to a Disc — Level File



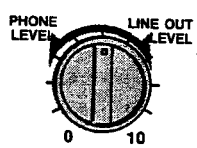
1



2



3



Adjust the level. You can also use LINE OUT VOLUME buttons on the remote commander.

4

"LEVEL FILE" and "CF LEVEL" appears in the display window.

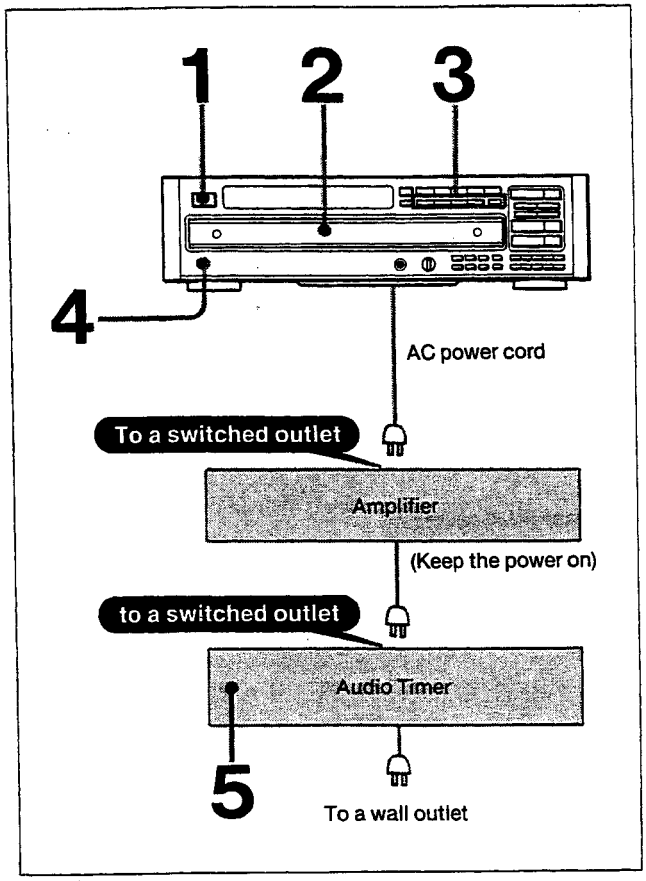
Using the level file function, you can preset the desired output level for each disc. When a disc with the level file is played, the PHONE LEVEL/LINE OUT LEVEL control on the front panel is automatically adjusted to the preset level. **When you use the level file function, use headphones or the amplifier connected to the variable line output jacks.** This function does not work for the output level of the fixed line output and optical digital output jacks.

To preset a new level on to the current level file
Repeat steps 3 and 4.

Clearing the Level File

1 Put the disc whose level file is to be cleared in the player.
2 Press DISC button which corresponds to the disc whose level file you want to clear.
3 Press LEVEL FILE. "LEVEL FILE" appears in the display.
4 Press ERASE while the "LEVEL FILE" is displayed. "FILE ERASE" is displayed and " CF LEVEL" goes off from the display window. The level file setting is cleared.

Timer Activated Playing



By connecting a commercially available timer, disc play can be started at any desired time.

Activating the Power with an Audio Timer

1 Press POWER to turn on the unit.
2 Put disc(s) on the disc tray.
3 Choose the desired play mode.
Note: you cannot choose the program mode for timer activated playing.
4 Set the TIMER to PLAY.
5 Set the turn-on time of the audio timer.

When the timer play ends
Be sure to set TIMER to OFF.

Specifications

Compact Disc Player

Frequency response	2 Hz – 20 kHz (±0.3 dB)
Signal to noise ratio	More than 110 dB
Dynamic range	More than 98 dB
Harmonic distortion	Less than 0.0025% (CDP-C85ES) Less than 0.003% (CDP-C75ES)
Channel separation	More than 105 dB

Outputs

LINE OUT(FIXED) (phono jacks)	Output level 2 V (at 50 kiloohms) Load impedance over 10 kiloohms
LINE OUT (VARIABLE) (phono jacks)	Output level max 2 V (at 50 kiloohms) Load impedance over 10 kiloohms
DIGITAL OUT (OPTICAL) (optical output connector)	Wave length 660 nm Output level -18 dBm
HEADPHONES (stereo phone jack)	Output level max. 15 mW Load impedance 32 ohms

General

Power requirements	USA and Canada models: AC 120 V, 60 Hz Models for other countries: 110 – 120 V or 220 – 240 V AC selectable, 50/60 Hz
Power consumption	13 W
Dimensions (w/h/d)	Approx. 470 × 125 × 385 mm ($18\frac{5}{8} \times 5 \times 15\frac{1}{4}$ inches) (CDP-C85ES) Approx. 430 × 125 × 385 mm ($17 \times 5 \times 15\frac{1}{4}$ inches) (CDP-C75ES) Including projecting parts and controls
Weight	Approx. 8 kg (17 lbs 11 oz), net (CDP-C85ES) Approx. 7 kg (15 lbs 7 oz), net (CDP-C75ES)

Remote Commander RM-D706

Remote control system	Infrared control
Power requirememts	3 V DC with two size AA batteries (IEC designation R6)
Dimensions	62 × 20 × 175 mm (w/h/d) ($2\frac{1}{2} \times \frac{13}{16} \times 7$ inches)
Weight	126 g (4.5 oz) including batteries

Supplied Accessories

Connecting cord
(2 phono plugs ↔ 2 phono plugs) (1)
Remote commander (1)
Size AA batteries (2)
Screws (4) (CDP-C85ES only)

Optional Accessory

Audio optical connecting cord POC-15

Design and specifications subject to change without notice.

Troubleshooting Guide

The following checks will assist in the correction of most problems which you may encounter with your unit. Should any problem persist after you have made these checks, consult your nearest Sony service facility. Before going through the check list below, first refer back to the connection and operating procedures.

Trouble	Causes	Remedy
No audio from one or both channels	Incorrect operation of the amplifier	Operate correctly.
	Loose connection	Connect the cords firmly.
	The PHONE LEVEL/LINE OUT LEVEL control is set to the minimum.	Turn the control clockwise.
Play does not begin.	No disc on the disc tray	Put disc(s) on the tray
	The player is in the pause mode.	Press ▶ or ❚❚ to release pause.
	Moisture condensation	Leave the player turned on for about an hour.
	The disc is set upside down.	Set the disc with the label side up.
	The disc is tilted.	Set the disc correctly.
	The disc is extremely dirty.	Clean the disc.
	The transit key is not removed.	Remove and store the transit key.
Discs cannot be played continuously.	Play did not start from the disc in the DISC 1 tray.	Press DISC 1 to start play.
Remote commander does not operate the unit.	The batteries are exhausted.	Replace both batteries.
	The remote commander is not pointed at the remote control sensor.	Point the remote commander to the sensor.
	There is an obstacle between the remote commander and the unit.	Remove the obstacle.
	The remote commander is too far from the unit.	Move closer.
Any operation is not possible.	The internal control program may not run.	Turn off the power and turn it on again.